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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/536,939	04/11/2006	Christophe Revirron	05-403	8331
20306 7590 06/20/2007 MCDONNELL BOEHNEN HULBERT & BERGHOFF LLP 300 S. WACKER DRIVE			EXAMINER	
			RAMACHANDRAN, UMAMAHESWARI	
32ND FLOOR CHICAGO, IL 60606		ART UNIT	PAPER NUMBER	
,			. 1617	
			MAIL DATE	DELIVERY MODE
			06/20/2007	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

	Application No.	Applicant(s)		
	10/536,939	REVIRRON, CHRISTOPHE		
Office Action Summary	Examiner	Art Unit		
· .	Umamaheswari Ramachandran	1617		
The MAILING DATE of this communication a Period for Reply	ppears on the cover sheet with the o	orrespondence address		
A SHORTENED STATUTORY PERIOD FOR REF WHICHEVER IS LONGER, FROM THE MAILING - Extensions of time may be available under the provisions of 37 CFR after SIX (6) MONTHS from the mailing date of this communication. - If NO period for reply is specified above, the maximum statutory perion. - Failure to reply within the set or extended period for reply will, by state Any reply received by the Office later than three months after the main earned patent term adjustment. See 37 CFR 1.704(b).	DATE OF THIS COMMUNICATION 1.136(a). In no event, however, may a reply be tined will apply and will expire SIX (6) MONTHS from the cause the application to become ABANDONE	N. nely filed the mailing date of this communication. D (35 U.S.C. § 133).		
Status				
1) Responsive to communication(s) filed on 16 2a) This action is FINAL . 2b) The 3) Since this application is in condition for allow closed in accordance with the practice under	nis action is non-final. vance except for formal matters, pro			
Disposition of Claims				
4) ☑ Claim(s) 10 and 22-29 is/are pending in the 4a) Of the above claim(s) is/are withden 5) ☐ Claim(s) is/are allowed. 6) ☑ Claim(s) 10 and 22-29 is/are rejected. 7) ☐ Claim(s) is/are objected to. 8) ☐ Claim(s) are subject to restriction and	rawn from consideration.			
Application Papers				
9) The specification is objected to by the Exami 10) The drawing(s) filed on is/are: a) and an applicant may not request that any objection to the Replacement drawing sheet(s) including the correct of the oath or declaration is objected to by the	ccepted or b) objected to by the leading or b) objected to by the leading decision is required if the drawing(s) is objection is required if the drawing(s) is objection.	e 37 CFR 1.85(a). jected to. See 37 CFR 1.121(d).		
Priority under 35 U.S.C. § 119				
 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of: 1. Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received. 				
Attachment(s) 1)	4) 🔲 Interview Summary			
2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO/SB/08) Paper No(s)/Mail Date	Paper No(s)/Mail Date of Informal Pager No(s) Other:			

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DETAILED ACTION

The examiner notes the receipt of the affidavits, remarks and amendments received in the office on 5/16/2007 amending claim 10 and adding claims 22-29. Claims 1-9, 11-21 have been canceled. Claims 10, 22-29 are currently pending.

The rejection of claims 10-21 under 35 U.S.C 112 (1), under 35 U.S.C 102 (b) is rendered moot by the amendment of claim 10 and by the cancellation of claims 11-21. The rejection of claims 11-12, 14-15, 17, 18 and 20-21 anticipated by Gray (WO 94/06429) is rendered moot by the cancellation of claims 11-21. Applicant's response to the rejection of claims 10 and 16 rejected under 35 U.S.C. 103(a) as being unpatentable over Gensthaler (Pharmazeutische Zeitung, vol. 146, no. 7, 2001-02-15, p 35-36) in view of Leynadier et al (Acta Otorhinolaryngol Belg. 2001, 55(4):305-12) is considered but not persuasive. Due to the amendment of claim 10, cancellation of claim 16 and addition of new claims (22-29) a modified 103(a) rejection is made. Also, upon further search and consideration new rejection has been made and is given below. The office action is made non-final.

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

⁽a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

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Claims 10, 22, 23, 25-28 are rejected under 35 U.S.C. 103(a) as being unpatentable over Gensthaler (Pharmazeutische Zeitung, vol. 146, no. 7, 2001-02-15, p 35-36) in view of Leynadier et al (Acta Otorhinolaryngol Belg. 2001, 55(4): 305-12).

Gensthaler teaches that Levocetirizine was effective in the treatment of patients with seasonal allergic rhinitis (p 35, para 4 lines 1-2). The reference further teaches an intended study of the long-term effect of Levocetirizine in 500 adults with persistent allergic rhinitis (p 36, lines 3-8).

The reference does not teach a method of administration in a daily dosage of about 0.0005 mg to about 2 mg per kg of body weight in treating persistent allergic rhinitis patients or the number of dosages in the intended study of persistent allergic rhinitis.

Leynadier et al teaches a dosage of 2.5, 5, 10 mg/day of levocetirizine by oral administration in a method of treatment for seasonal allergic rhinitis with symptoms such as sneezing, rhinorrhea, nasal congestion, nasal pruritus, ocular pruritis, itchy nose and itchy eyes. For example, administration of 2.5, 5 and 10 mg of Levocetirizine to a 20 kg patient would amount to 0.125 mg/kg, 0.25 mg/kg, and 0.5 mg/kg of body weight, which falls within the range claimed in claims 21 and 22.

It would have been obvious to one of ordinary skill in the art to administer levocetirizine in the treatment of persistent allergic rhinitis because Gensthaler teaches the effectiveness of the compound in seasonal allergic rhinitis and further teaches the intended clinical study of persistent allergic rhinitis with the same compound. Hence one of ordinary skill in the art would have been motivated to administer levocetirizine in the

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treatment of persistent allergic rhinitis to obtain similar therapeutic benefits. It would have been obvious to one of ordinary skill in the art at the time of the claimed invention to administer a dose of 0.0005 mg to about 2 mg per kg of body weight per patient for the treatment of persistent allergic rhinitis. Leynadier et al. teaches range of dosages of levocetirizine administered to subjects suffering from rhinitis. One of ordinary skill in the art would have been motivated to adjust the dosage amount or dosages administered per day by routine experimentation as one can expect similar therapeutic benefits and safety in the administration of levocetirizine to patients with persistent allergy as Leynadier has shown the drug to be safe and therapeutically beneficial in the patients with seasonal allergy rhinitis.

Claims 10, 22-29 are rejected under 35 U.S.C. 103(a) as being Salmun et al. (US 2003/0236275).

Salmun et al. teaches antihistamines such as levocetirizine, desloratadine are useful in the treatment of seasonal allergic rhinitis. The reference teach desloratadine has the added benefit of providing significant relief from persistent allergic symptoms such as nasal congestion/stuffiness in patients with seasonal allergic rhinitis (p 4, para 0050). The reference further teaches a dosage of 2.5 mg to about 45 mg/day of desloratadine in the treatment of allergic and inflammatory conditions (p 2, para 0026) will fall in the range of 0.05 mg/kg to 0.9-mg/kg body weight when administered to a patient weighing 50 kg. The reference also teaches different modes of administration such as topical, inhalation, oral etc. (p 3, para 0037).

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The reference does not explicitly teach levocetirizine or desloratedine in the treatment of persistent allergic rhinitis or multiple dosage administration of levocetirizine or the period of administration to be 3 months or more.

It would have been obvious to one of ordinary skill in the art at the time of the invention to administer levocetirizine in a method of treatment for persistent allergic rhinitis because of the teachings of Salmun et al. The reference teaches desloratedine. an antihistamine has the added benefit of providing significant relief from persistent allergy symptoms such as nasal congestion/stuffiness in patients with SAR. It would have been obvious to one of ordinary skill in the art at the time of the invention to administer an antihistamine such as desloratedine or levocetirizine in a method of treatment for persistent allergic rhinitis as Salmun et al. teaches that the antihistamine compound provide significant relief of persistent allergy symptoms such as nasal congestion/stuffiness. Hence one of ordinary skill in the art would have been motivated to achieve similar or superior therapeutic benefits by the administration of levocetirizine to persistent allergy patients. One of ordinary skill in the art at the time of the invention would have been motivated to optimize the parameters such as multiple dosage administration of levocetirizine or period of administration for 3 or more months by routine experimentation as Salmun et al have taught the administration of levocetirizine to be safe and beneficial in rhinitis patients.

Response to Arguments

Applicants' argue that Leynadier or Gensthaler does not teach dosage or routes of administration effective for the treatment of persistent allergic rhinitis. In response,

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reference teaches the same compound levocetirizine as claimed in the instant application and the dosages in the treatment of seasonal allergy rhinitis. Though the allergies are seasonal and persistent are distinct in nature as pointed out by the Applicants' they belong to the same class (allergies) and hence one of ordinary skill in the art would have been motivated to have a reasonable expectation of success by administering the same dosages or varying the amount of dosages (using Leynadier's teachings as a reference) by routine optimization. It would have been customary for an artisan of ordinary skill to determine the optimal amount of ingredient to add in order to best achieve the desired results. Though Gensthaler does not provide an enabling disclosure the teachings provide motivation to one of ordinary skill in the art to administer levocetirizine in the treatment of persistent allergic rhinitis as Gensthaler teaches the effectiveness of the compound in seasonal allergic rhinitis and further teaches the intended clinical study of persistent allergic rhinitis with the same compound.

Conclusion

No claims are allowed.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Umamaheswari Ramachandran whose telephone number is 571-272-9926. The examiner can normally be reached on M-F 8:30 AM - 5:00 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Sreeni Padmanabhan can be reached on 571-272-0629. The fax phone

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number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

SPEENI PADMANABHAN SUPERVISORY PATENT EXAMINER